

2559

GEOLOGICAL REPORT

JIM, HIL, JACK CLAIMS
GUN CREEK AREA
LILLOOET MINING DISTRICT
BRITISH COLUMBIA

Admiral Mines Ltd. (N.P.L.)

Edward A. Schiller, Ph.D., P. Eng.
January 19, 1970

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2559 MAP

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SUMMARY AND CONCLUSIONS

Admiral Mines Ltd. has under option a 36-claim block, three miles north of Bralorne, in the Lillooet Mining District, British Columbia. The claims were staked to cover asbestos-bearing serpentine within an extensive ultra basic zone. Asbestos fibre of good quality and sufficient quantity has been found to justify a program of magnetic and geological surveys and trenching.

A two-stage exploration program is proposed: Stage 1, estimated at \$30,000; and if favourable results are obtained, Stage 2, estimated at \$70,000.

INTRODUCTION

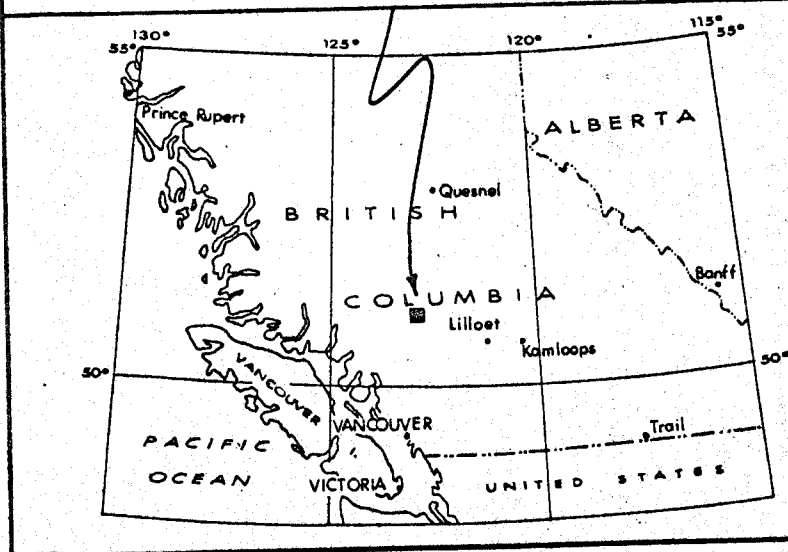
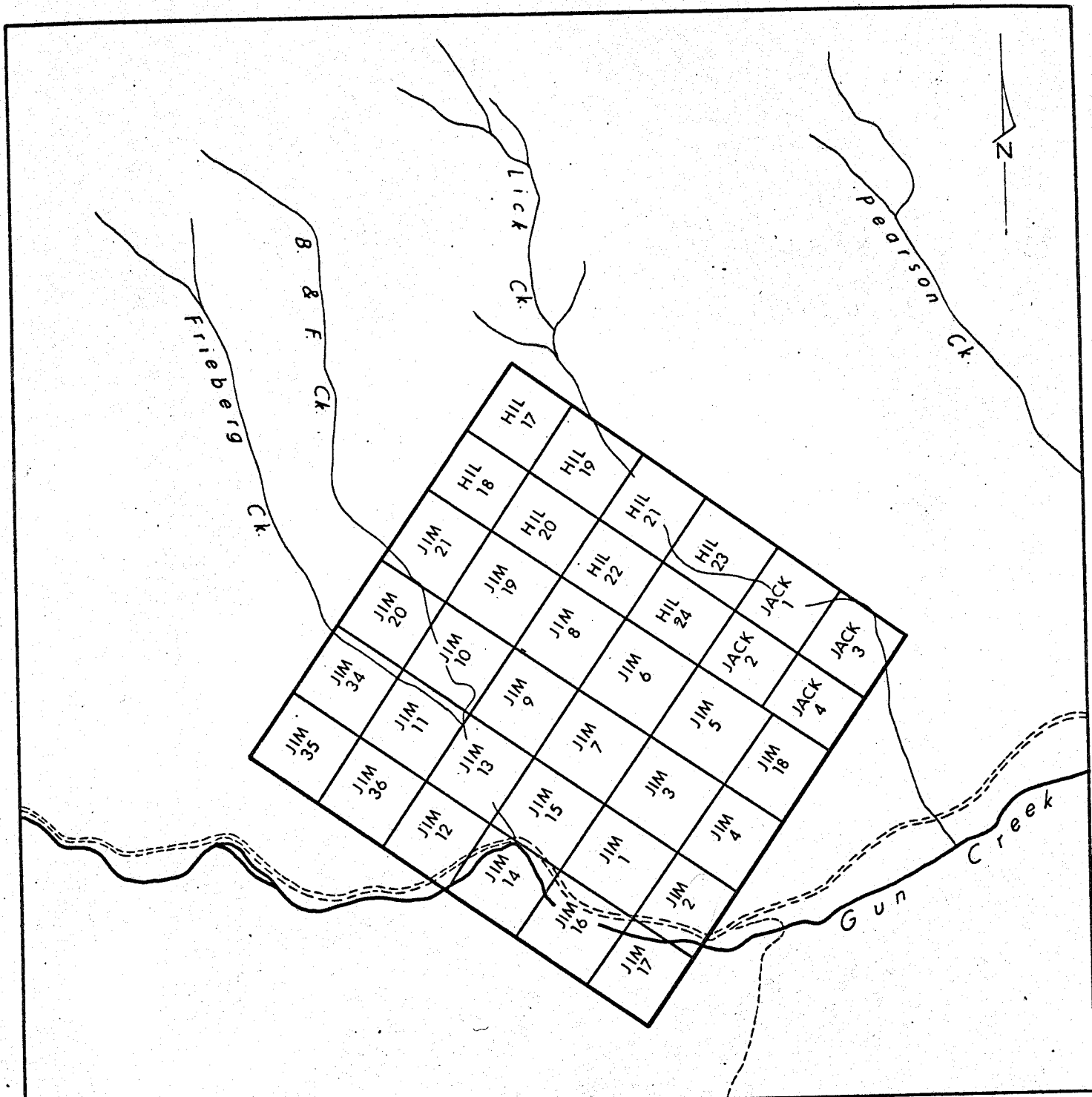
This report reviews to December 31, 1969, work completed on claims held by Admiral Mines Ltd. They are located immediately north of Gun Creek, three miles north of the gold mining camp of Bralorne, in the Lillooet Mining District, British Columbia (Maps 1, 2 and 2a).

The company has under option from E. G. MacKenzie of Calgary, Alberta, the Jim claims 1 through 16, which formed the basis of the original agreement. An additional contiguous 20 claims were optioned from MacKenzie--Jim 17 through 21, Jim 34 through 36, Hil 17 through 24, and Jack 1 through 4 (Map 1).

GEOLOGY

The 36 contiguous claim-block covers an ultra basic zone that strikes northerly and intrudes a volcanic and sedimentary sequence of Paleozoic age. The claims were staked to cover asbestos-bearing serpentine found outcropping along the Gun Creek road. Analyses of geological features as noted in Map 3 indicated possibilities for extensions of serpentine, and additional claims were acquired.

Although several asbestos occurrences have been reported from the claim block, the writer has observed only the principal outcrop along Gun Creek. Here, relatively unshered serpentine occurs with well-developed cross fibre asbestos in two adjoining outcrops above



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CLAIM & INDEX MAP

ADMIRAL MINES LTD.

SCALE 2"=1 mile

JAN./1970

and below the Gun Creek road. Total areal extent is approximately 75 feet in an east-west direction and 100 feet in a vertical direction. Accurate grade and quality of fibre has not been ascertained; however, visual estimates by a representative of a major asbestos company were 2 to 3% fibre of group 5. The fibre is 1/8- to 1/2-inch wide and probably averages in the range of 1/4 to 3/8 inches. The wider fibre generally has one or two partings.

GEOPHYSICS

A test magnetometer survey was run over the southern part of the claims along Gun Creek road (Maps 3 and 4). Results of the survey are very incomplete; however, it does indicate that a magnetic feature in excess of 1,000 feet wide is present. GSC map 43-15 shows the ultra basic zone to extend several miles to the north. This evidence collectively indicates sufficient host rock is available to make a viable deposit, assuming the asbestos-forming process is pervasive as needed.

The high magnetic feature (4200 γ plus) in the central part of the claims could be quite significant. Due to thick glacial overburden, trenching failed to reach bedrock in initial work.

Low magnetic features are probably due to amphibole dacite porphyry dykes or sills.

SURFACE WORK

In December, trenches and access roads were constructed, mainly in the south part of the claims. Except for the enlargement of the principal occurrence, no new outcrops were uncovered as the result of this work. Of interest was the presence of asbestos-bearing serpentine as boulders in the glacial overburden. Due to southward movement of glacial material, this evidence indicates some asbestos must occur north of the trenches.

An access road built to the B & F mine uncovered one outcrop of well sheared serpentine.

PROPOSED EXPLORATION PROGRAM

The following two-stage program is proposed.

Stage 1. Because of glacial overburden, rock distribution cannot be ascertained; and as noted in the test magnetic survey, the serpentine can be mapped geophysically. The claim block, therefore, should have a magnetic survey. Trenching and geological mapping can then be guided by the magnetic results.

Proposed work

Line cutting	\$ 2,000.00
Magnetic survey	2,000.00
Geological mapping	2,000.00
Trenching	20,000.00
Contingency	<u>4,000.00</u>
Total	<u>\$30,000.00</u>

Timing April 1970 through July 1970.

REFERENCES

GEOLOGY

Cairnes, C. D., 1943, Geology and Mineral Deposits of Tyaughton Lake Map-Area, British Columbia. Geol. Sur. of Can. Paper 43-15.

CLAIM SHEET

Mineral Claim Map 92 J/15 W, Dept. of Mines and Petroleum Resources, Province of British Columbia.

TOPOGRAPHIC MAPS

Map 546A Tyaughton Lake 1:50,000 Dept. of Mines and Energy, Ottawa.

Map 92J Pemberton 1:250,000 Dept. of Mines and Energy, Ottawa.

I, Edward A. Schiller, do hereby certify that:-

1. I am a practising geologist residing at 3216 Bearspaw Drive N.W., Calgary, Alberta.
2. I have degrees from the following universities:
 - a. Michigan State University - B.Sc., M. Sc.
 - b. University of Utah - Ph.D.
3. I have been practising geology as an officer of the Geological Survey of Canada, company exploration geologist and consulting geologist for the past 12 years.
4. I am a member of the Association of Professional Engineers of Alberta, Saskatchewan and Manitoba and a candidate for registration as a non-resident of British Columbia.
5. The accompanying report is based on personal examination of the claims herein described in October and December 1969 and a review of government geological publications pertinent to this area.
6. I have no interest, directly or indirectly, in the properties or securities of Admiral Mines Ltd. N.P.L. nor do I expect to receive same.

Respectfully submitted,

Edward A. Schiller

Edward A. Schiller, Ph.D., P.Eng.

January 19, 1970

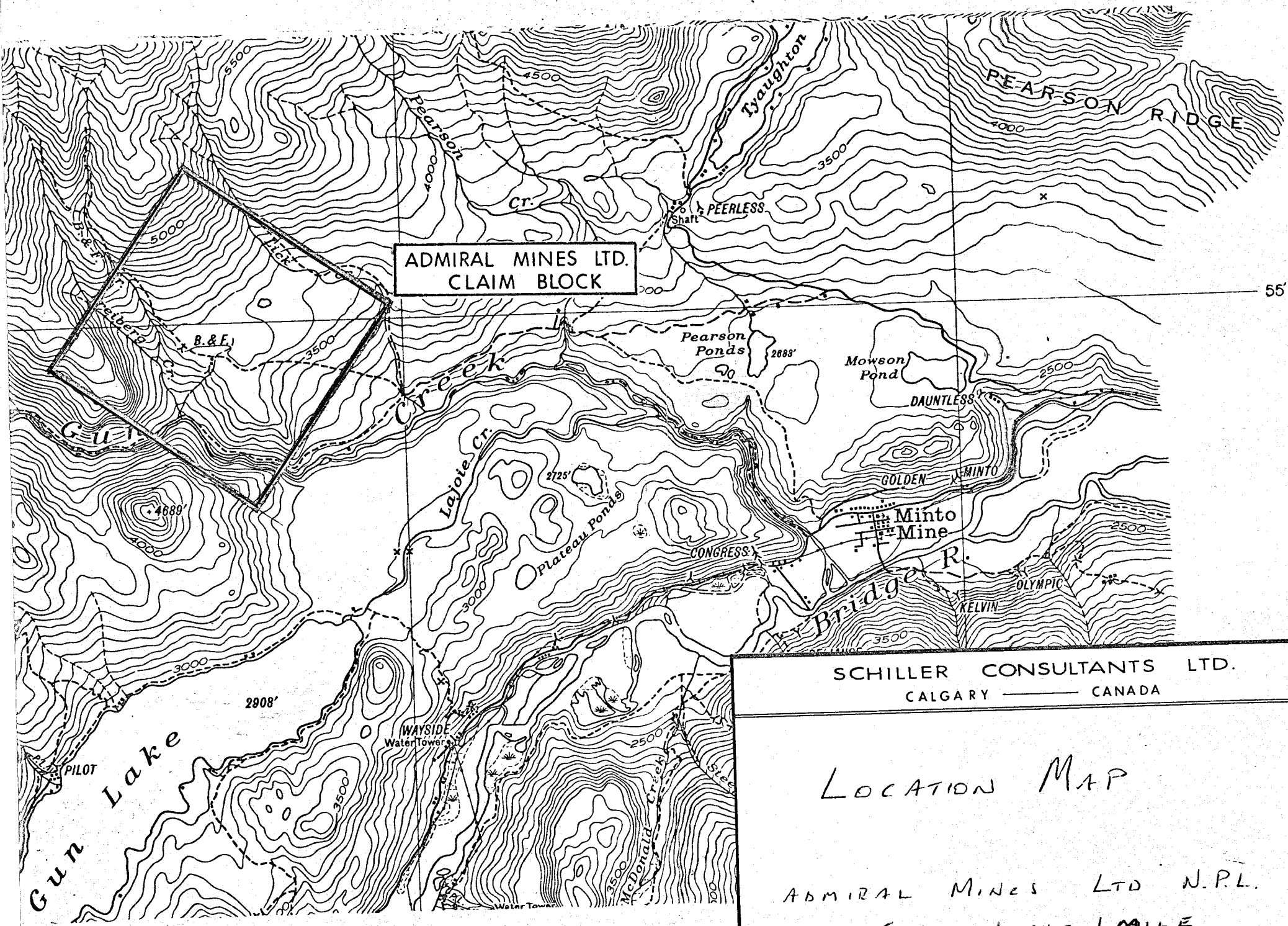


Stage 2. Pending the results of Stage 1, if favourable information is obtained, the following is proposed.

Proposed work

Trenching	\$20,000.00
Diamond drilling	<u>50,000.00</u>
Total	<u>\$70,000.00</u>

Timing August 1970 through March 1971



ADMIRAL MINES LTD.
CLAIM BLOCK

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LOCATION MAP

ADMIRAL MINES LTD N.P.L.
SCALE 1 INCH = 1 MILE

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GEOLOGY

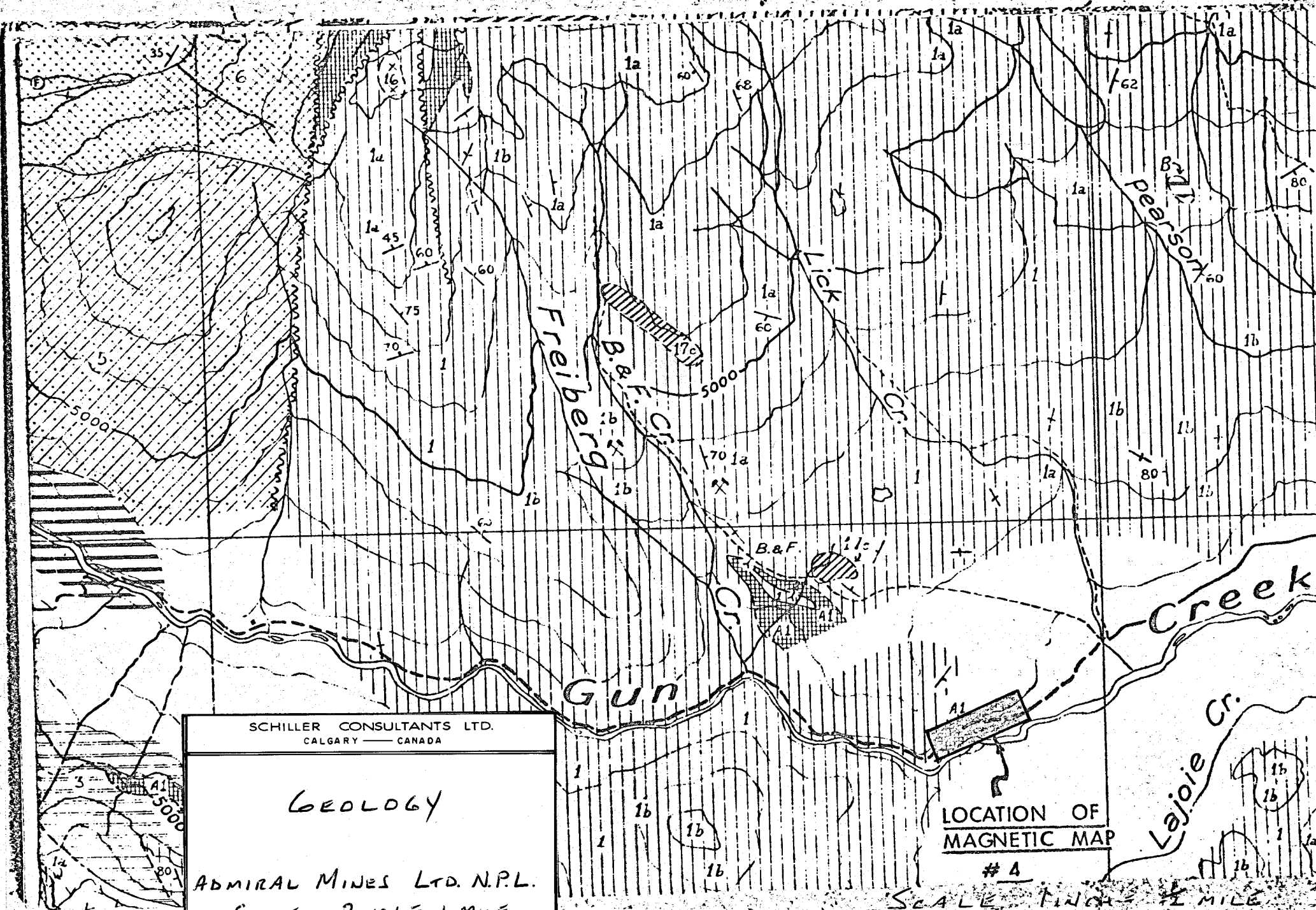
ADMIRAL MINES LTD. N.P.L.

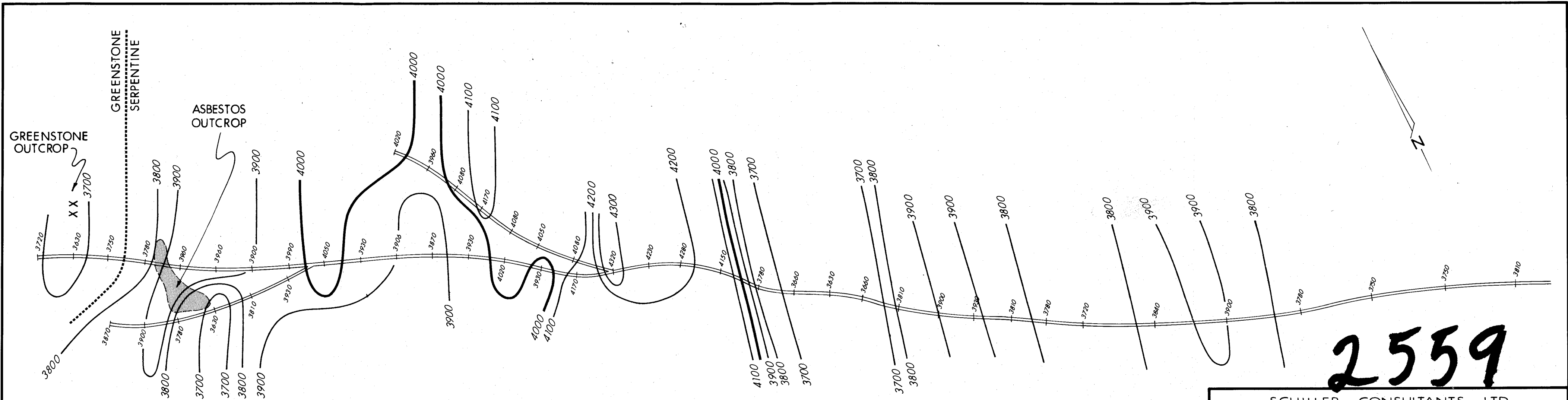
SCALE 2 INCH = 1 MILE

LOCATION OF
MAGNETIC MAP

4

SCALE 1 INCH = 1/2 MILE





2559

TRaverse ALONG GUN CREEK ROAD
 EQUIPMENT EMPLOYED : SCRINTREX MF 1 FLUXGATE MAGNETOMETER
 SURVEYED - DECEMBER , 23 1969
 3960 READINGS IN GAMMAS (VERTICAL FIELD)

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 NO. 2559 MAP #4

SCHILLER CONSULTANTS LTD.
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 GUN CREEK ASBESTOS PROJECT
 MAGNETIC MAP
 ADMIRAL MINES LTD.
 MAP 4 SCALE 1" = 100' JAN / 1970